



## WINDMILLS IN THE WEST.

Important Part They Play on the Great Farms of the Plains.

"A thing that strikes an eastern man strangely," said the man just back from a western trip, "is the prevalence of the windmill in the west. This is supposed to be the age of steam and electricity, of new ideas in every line of human activity, but you would be inclined to change your mind if you ever saw the forests of primitive windmills that dot the western plains. They first come into view when the traveler crosses the Mississippi into Iowa, and by the time he gets to Nebraska and Kansas they seem to be staring in the ear windows at every revolution of the wheels.

"And they are the most useful adjunct the western farmer possesses. Usually a man associates the windmill with Holland, but the western variety is a different brand and used for exactly the opposite purpose that Hollanders employ them for. In that country the mill is used to get rid of the water. In the west it is employed to produce it. The enterprising manufacturers make them in all styles, some tall and graceful, others low, with a half circle of fans at the top. The big ones are useful in grinding corn, but most of them are engaged in pumping up water for irrigation and to slake the thirst of the cattle, horses and hogs. For the latter a system of pipes conveys the water to various parts of the ranch.

"The wells reach way down into the earth, where an exhaustless supply is found, and, while few furnish the source of any extended irrigation systems, nearly all have connections with the garden and yard. The small streams which abound in the west generally become stagnant during the summer; but, with the sand point and the wind pump, the great reservoir of nature is tapped, and great streams of water are furnished. Many ranchmen have built milkhouses around the wind pump, and the fresh, cool water is kept running through large tanks made for milk cans, enabling them to furnish their own tables with choice cream and butter and an overplus that in many cases pays for the family groceries.

"Only a western farmer can appreciate the value of a windmill as a factor in the development of the country. It means an abundance of water for

stock and irrigating purposes, and this means greater productiveness, bigger crops and better prices, more business in the towns and increased earnings for the railroads. The windmill is a primitive method of obtaining power, but it is doing a splendid work in the west."—New York Sun.

### How Cities Bury Themselves.

A well has recently been driven in the Place de l'Hotel de Ville in Paris for the purpose of ascertaining the nature of the subsoil of the French capital. The revelations throw light on the manner in which great cities in the course of centuries bury the relics of their past. First comes a layer of rubbish, nearly four and a half feet thick, dating from the sixteenth century to the nineteenth. A second layer, a little over two and a half feet thick, consists of rubbish recognizable by the character of its fragments as belonging to the period from the fourteenth to the sixteenth century. This is separated from the first layer by a thin deposit of sand, and a second sandy deposit covers the third layer, which plainly shows relics of the eleventh and twelfth centuries. At the bottom is a clayey deposit filled with fragments of pottery and bits of oak timber belonging to the Gallic and Gallo-Roman periods.

### An Autumn Note.

Autumn said to dying summer: "Sweet were your songs and softly went your winds above the blue banks of violets and gardens where your lilies were like altars of sweet worship. But the beautiful dies and leaves us but the rose of memory, kissed of sad sunlight, and the rain that Love calls tears. Your birds have left their nests, laced in the sheltering trees; your flowers are but phantoms; your streams have sung you to sleep; your footprints are fading from the hills; your voice is silent in the valleys, and, grieving for you, I have robed you not in ghostly shrouds, but raiment of scarlet and gold, and laid you down to dream beneath my perfect skies of life to come, of love that lives forever!"—Atlanta Constitution.

### A Surplus of Impecunious Barons.

According to a Vienna newspaper, a theatrical agent of that city recently inserted an advertisement in a number of Austrian and German papers stating that he wanted a penniless count or baron to appear on the stage of continental music halls. No less than fourteen counts and barons, all of whom could prove beyond doubt the possession of their titles and ancient lineage, applied for employment of this kind.

## FACTS IN FEW LINES

The skin of the Canadian black bear brings from \$15 to \$50.

Kansas wants 100 acres of St. Louis fair space for an alfalfa exhibit.

An American desk factory is about to commence operations in London.

Steam dredges costing \$250,000 are being introduced in Alaskan gold regions.

Vast forests of rich yellow and sugar pine are being opened up in eastern Washington.

The first fire engine used in this country was brought from England to New York in 1731.

To commend anarchist crime in a public place is a punishable offense according to French law.

The New Zealand government is raising the wages of its railway employees to the extent of \$100,000.

The Belgian government is drawing up a bill providing for the total suppression of Sunday newspapers.

The assessed valuation of the state of Idaho has increased \$4,649,580 in a single year, and the total now is \$52,195,486.

The government agricultural experts are hard at work trying to evolve an orange tree that will prosper under cold weather.

The ink of the Greeks and Romans was merely lampblack mingled with gum in the proportion of three parts of the former to one of the latter.

Dundee, Scotland, has started an electric street sweeper and watering machine. It is worked by a trolley arm which runs on the tramway wire.

Coffee merchants figure out a world's supply of coffee this year of 24,000,000 bags, with a demand for only 15,000,000 bags, and they do not know what to do.

Sweden spends \$15,000,000 a year in coal and has 2,000,000 to 4,000,000 electrical horsepower going to waste. The government is thinking about utilizing some of it.

California's state flower is the golden poppy, and one of the professors at Stanford university has published a book devoted exclusively to the flower and its legendary history.

The skin of the musk ox, which is a denizen of the "Barren Grounds" and the arctic region of Canada, has taken the place of that of the extinct buffalo for sleigh robes. It varies in price from \$50 to as low as \$5 for a poor article.

The industrial depression in Germany is reaching serious proportions. Employment agencies are deluged with applicants. From the mining regions

come reports of numerous dismissals and reduced work. The same is true in iron and steel work.

Gigantic water power developments are projected in the Alps. There are now in the French Alps forty-eight factories supplied by 250,000 horsepower, electrically generated. Engineers estimate that 3,000,000 horsepower is now running to waste in the Alps.

The royal library at Windsor castle is about to be enlarged by the inclusion of a room adjoining hitherto used by the lord in waiting. This will enable many thousands more volumes to be added to the hundred thousand valuable works now on the shelves.

So great has become the demand for American coal in Europe that it has been decided to build an immense receiving station for unloading, screening and grading coal in northern France. Rates have been made on French roads which will drive German coal out of central Europe.

Dr. Bizarro of Gorz has published a pamphlet in which he tries to prove that the Adriatic has for more than a thousand years been rising and encroaching on its shores. The lowest parts of Trieste are experiencing trouble already, and in course of time Venice will be buried in the mud of the lagoon.

It is reported from the City of Mexico that Senor Sabino Osuna has invented an ingenious and yet seemingly very simple affair styled the "Contador Rapido Siglo XX" (twentieth century rapid calculator). The apparatus, which resembles the ancient Chinese counting machine, is for the purpose of rapid computation.

New York state has more cows than Pennsylvania and New Jersey combined and more than any other one state in the Union, Iowa being second, Illinois third and Wisconsin fourth. The entire number of cows in the states and territories in the exact census figures is 10,292,360, with a total valuation of \$514,812,100.

The beaver, the staple fur of the French regime, is now becoming scarce and its price varies greatly according to fashion. Even the skin of the inoffensive rabbit has now a positive market value, as it is dressed, clipped and dyed a deep brown, almost black, and then becomes what is called "electric seal," much in vogue for ladies' jackets.

The trees now growing on the farm near Franklin, N. H., where Daniel Webster was born are to be cut up into friction matches, a manufacturing company having paid \$2,800 for the standing timber upon it. The legislature of New Hampshire refused at its

last session to stock tire farm, the a pg ST  
preserved as a p...  
New Hampshire's great son.

An exciting scene was witnessed the Romita ring during a bullfight. Two of the chulos, handkerchiefs, or short stabbing into the necks of the bulls. The second bull entered the ring, Ja surto, maneuvering his bicycle, placed the sticks with great wheel, which was propped to upright in the ring. Luckily the paid no attention to him.

**How Music Writing Pays.**  
John Philip Sousa says: "A man who died a short time ago gave me for every piece I wrote. Among \$35 pieces was 'The Washington' which I wrote in 1888 for my friend, Frank Hutton, who was of the Washington Post. I don't what my publisher made out of composition. I changed 'home' cause a firm offered me 15 per cent sales, and out of the march 'Bell' I have received about \$400. I advise every one to write music and sell it."

**Odd Classification.**  
It is said that a consignment of "Wheeling stogies," which is the name of a brand of cigars, recently sent to England was classified by the customs officials as "leather factories" on the assumption that they were boots for bicycling.

This is equal to the action of Dutch patent office which classified American machine for making snaps under "distilling and brewing" on the assumption that "glug" was some sort of "schnapps" to be

**A Worth Creation.**  
One of Worth's most exquisite creations of this season is an evening of vieux rose miroir velvet. Beside guipure d'Irlande forms the collar, shaping in a sloping fashion the shoulders and further embellishing the skirt. The princess front is a paler shade of vieux rose satin, the sage being slashed with velvet. A large black chapeau de style completes the picturesque toilet.

**His Proficiency as a Linguist.**  
Brown—Are you anything of a linguist?

Jones—Well, I can read and stand French, German, golf, baseball and football, but I can't swim.—Detroit Free Press.

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